

FIG. 1

ROTATING GANTRY

STATIONARY PART

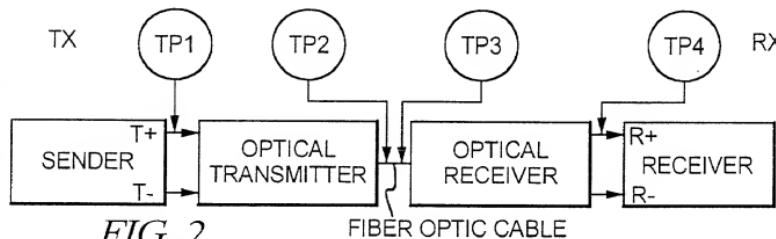
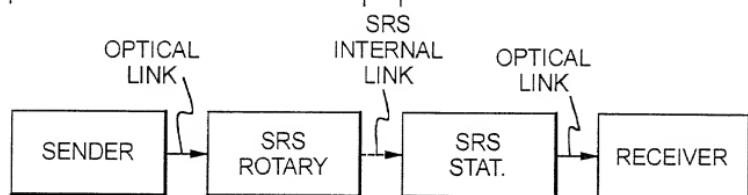


FIG. 2
(PRIOR ART)

ROTATING GANTRY

(PRIOR ART)

STATIONARY PART

The diagram illustrates the optical communication system architecture. It starts with a **SENDER** block containing a **TP1** terminal. A signal path leads to an **OPTICAL TRANSMITTER** block, which is connected to a **TP2** terminal. From **TP2**, the signal continues to an **OPTICAL RECEIVER** block, which is connected to a **TP3** terminal. Finally, the signal reaches an **R+ RECEIVER** block and an **R- RECEIVER** block. The entire system is divided into two main sections by a dashed line, each with a **DETERMINISTIC ONLY** label. The first section (SENDER to **TP3**) has a total delay of **max.227ps**, and the second section (**TP3** to RECEIVERS) also has a total delay of **max.227ps**. Within the first section, the **OPTICAL TRANSMITTER** block has a **max.136ps** delay. The second section is further detailed with a **SLIP-RING SYSTEM** block. This system includes an **OPTICAL RECEIVER** block, a **170ps** delay, a **500ps** time gap, and an **OPTICAL TRANSMITTER** block. The **OPTICAL TRANSMITTER** block in the **SLIP-RING SYSTEM** has a **80ps** delay. The entire **SLIP-RING SYSTEM** is labeled **DETERMINISTIC ONLY**.

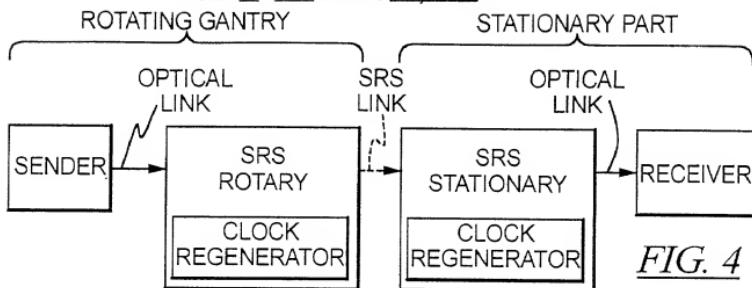


FIG. 4

FIG. 5

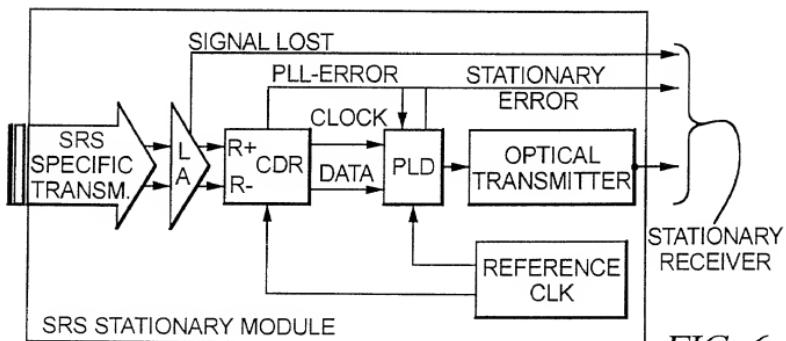
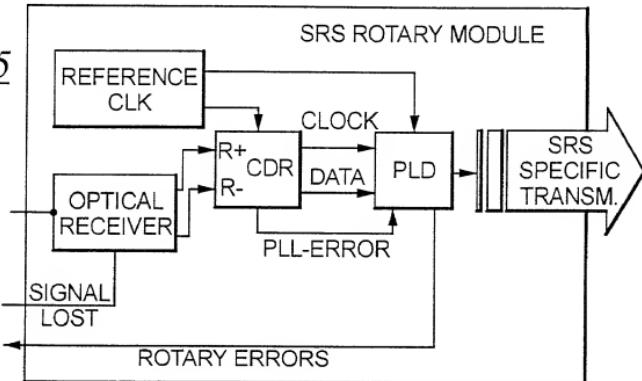


FIG. 6

FIG. 7

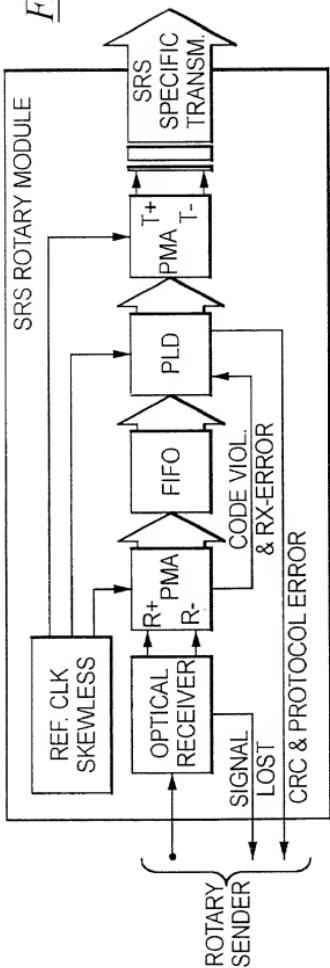


FIG. 8

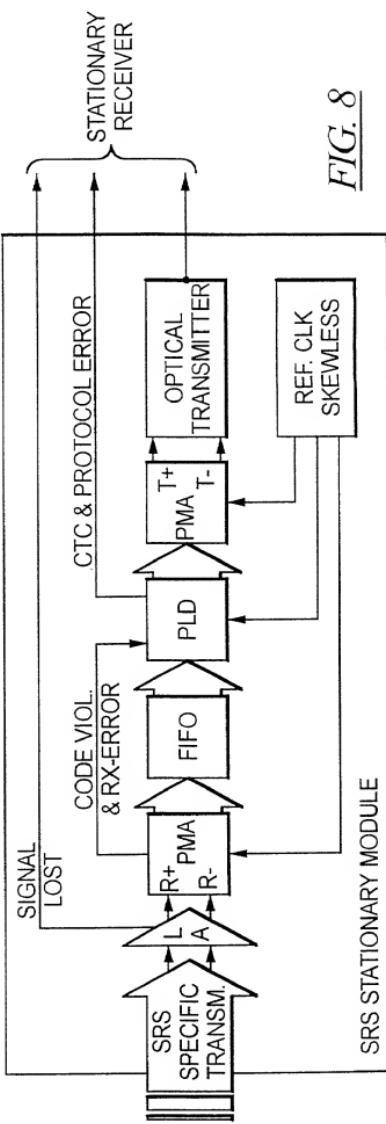


FIG. 9